

HTML/CSS/Bootstrap



A web page =

Content and structure



+

Design



HTML **basic syntax**

`<element>` Content `</element>`

`<element attr="value">` Content `</element>`

`` Le Wagon ``



HTML **skeleton**

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

Page's intelligence (meta data)

```
  </head>
```

```
  <body>
```

Page's content (displayed in browser)

```
  </body>
```

```
</html>
```

HTML **head**

```
<head>
```

```
  <title>    Page Title    </title>
```

```
    <meta name="description" content="desc...">
```

```
  <meta charset="UTF-8">
```

```
</head>
```

HTML **headers**

`<h1>` Main title `</h1>`

`<h2>` Subtitle `</h2>`

`<h3>` Section title `</h3>`

`<h4>` Section subtitle `</h4>`

Etc...

HTML **paragraph**

`<p>`

Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Veritatis laboriosam

`</p>`

HTML

strong

<p>

Lorem ipsum dolor sit amet,
consectetur adipisicing
elit. Veritatis laboriosam

</p>

HTML

unordered list

 Bread

 Milk

 Butter

HTML

ordered list

 France

 Uruguay

 Belgium

HTML **images**

```

```

Demo



2- HTML content

Let's add some HTML content for our landing page



>_



Web Development

CSS Basics



A web page =

Content and structure



+

Design



Linking a stylesheet

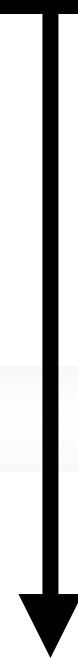


index.html

```
<head>
```

```
<link href="style.css" rel="stylesheet">
```

```
</head>
```

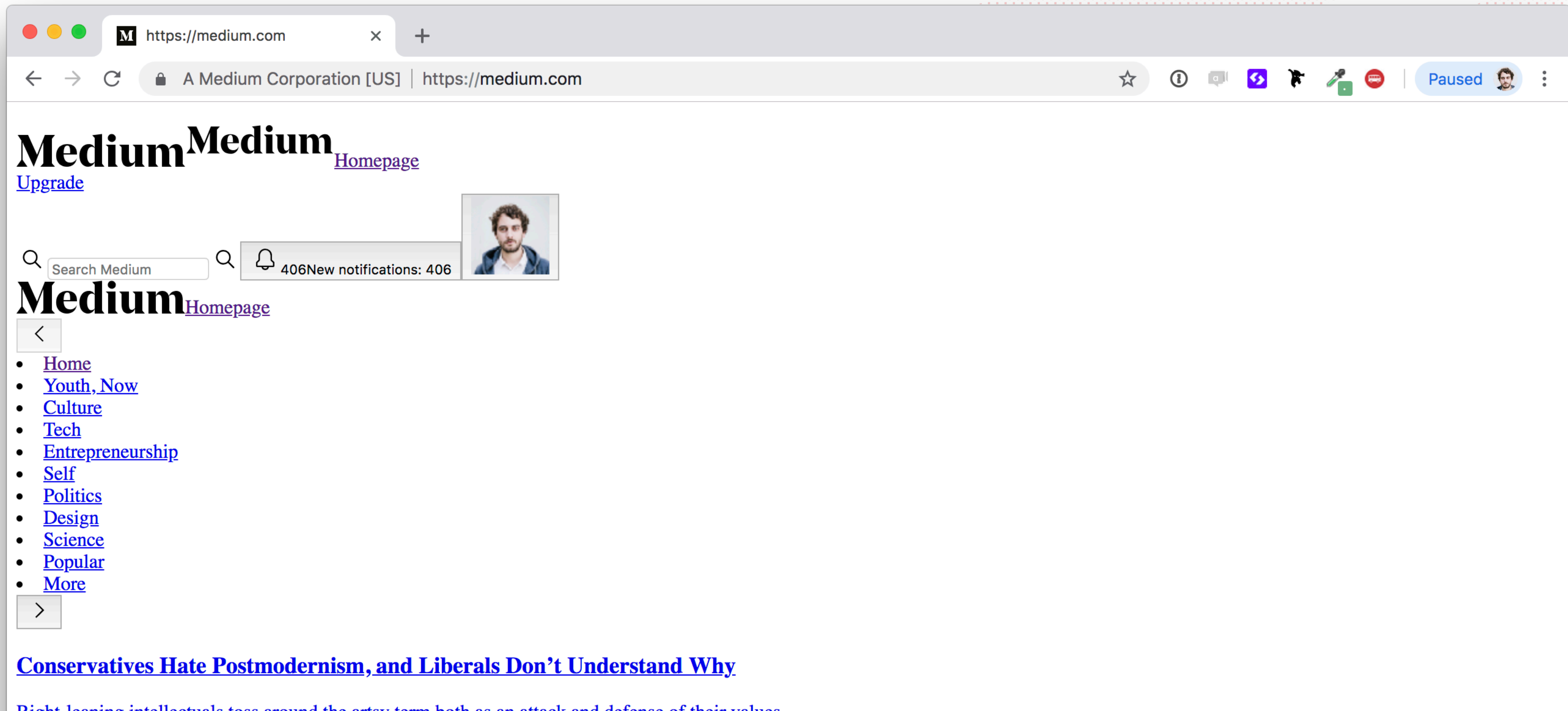


style.css

```
h1 {  
  color: red;  
}
```


Web **without CSS**

Let's check a website without CSS



CSS

syntax

```
selector {  
  property: value;  
  property: value;  
}
```

```
h2 {  
  color: red;  
  font-size: 24px;  
}
```

CSS

vocabulary

CSS selector



selector {

CSS property



property: **value**;

}



style rule

CSS

colours

```
h2 {  
  color: red;  
  background-color: yellow;  
}
```

CSS

colours



```
h2 {
```

```
  color: orange;
```

```
  color: #FF530D;
```

```
  color: rgb(255, 83, 13);
```

```
  color: rgba(255, 83, 13, 1.0);
```

```
}
```


CSS

grey scale

```
h2 {
```

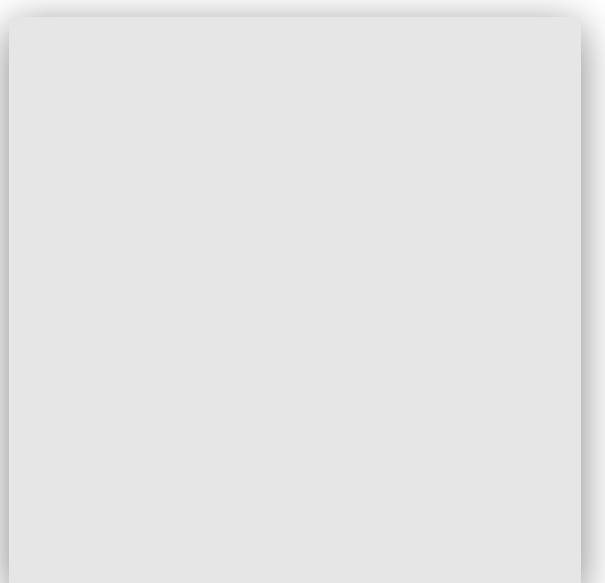
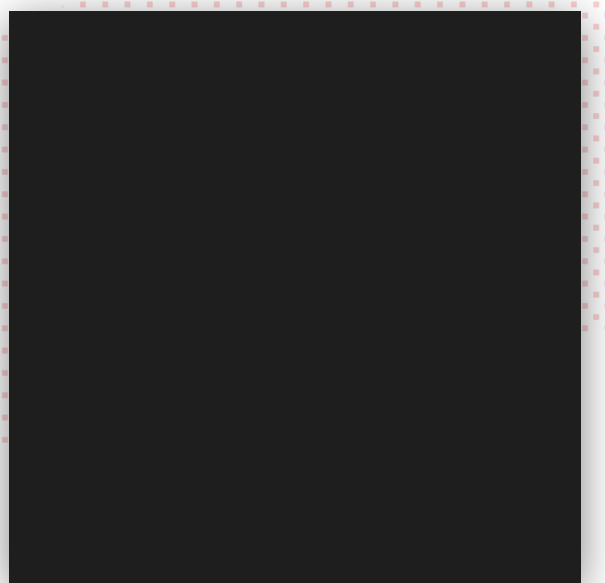
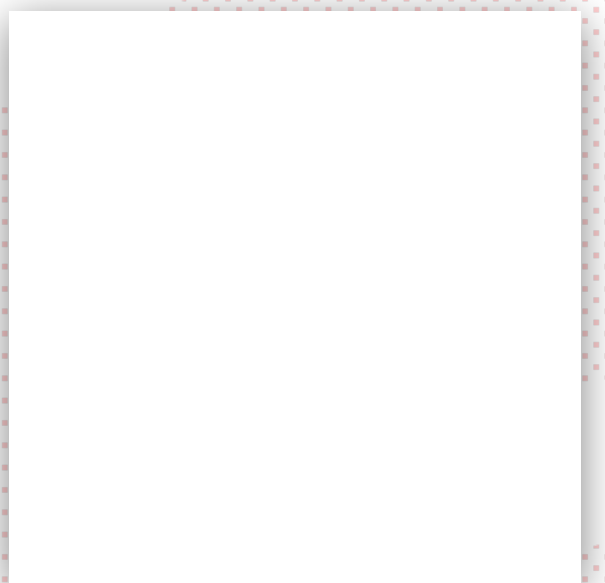
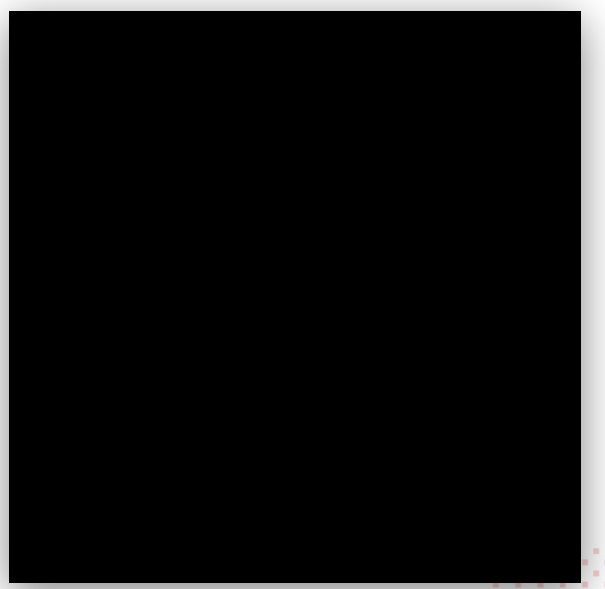
```
  color: rgb(0, 0, 0);
```

```
  color: rgb(255, 255, 255);
```

```
  color: rgb(30, 30, 30);
```

```
  color: rgb(230, 230, 230);
```

```
}
```



CSS **font-family**

```
body {
```

```
  font-family: Times, serif;
```

```
  font-family: Arial, serif;
```

```
  font-family: Courier, monospace;
```

```
}
```

Abc

Abc

Abc

CSS font size and spacing

```
body {
```

```
font-size: 30px;
```

```
line-height: 1.6;
```

```
letter-spacing: 10px;
```

```
}
```

font-size ↑ Abc

line-height ↑ Abc

A ↔ b ↔ c
letter-spacing

CSS **font weight**

```
body {
```

```
font-weight: 100;
```

```
/* from 100 to 900 */
```

```
font-weight: lighter;
```

```
font-weight: bold;
```

```
}
```

Light text

Bold text

CSS

decoration and alignment

```
a {  
  text-decoration: none;  
}
```

sign up
↓
sign up

```
p {  
  text-align: center;  
  text-align: justify;  
}
```

This is a centered
paragraph aligned
with text-align

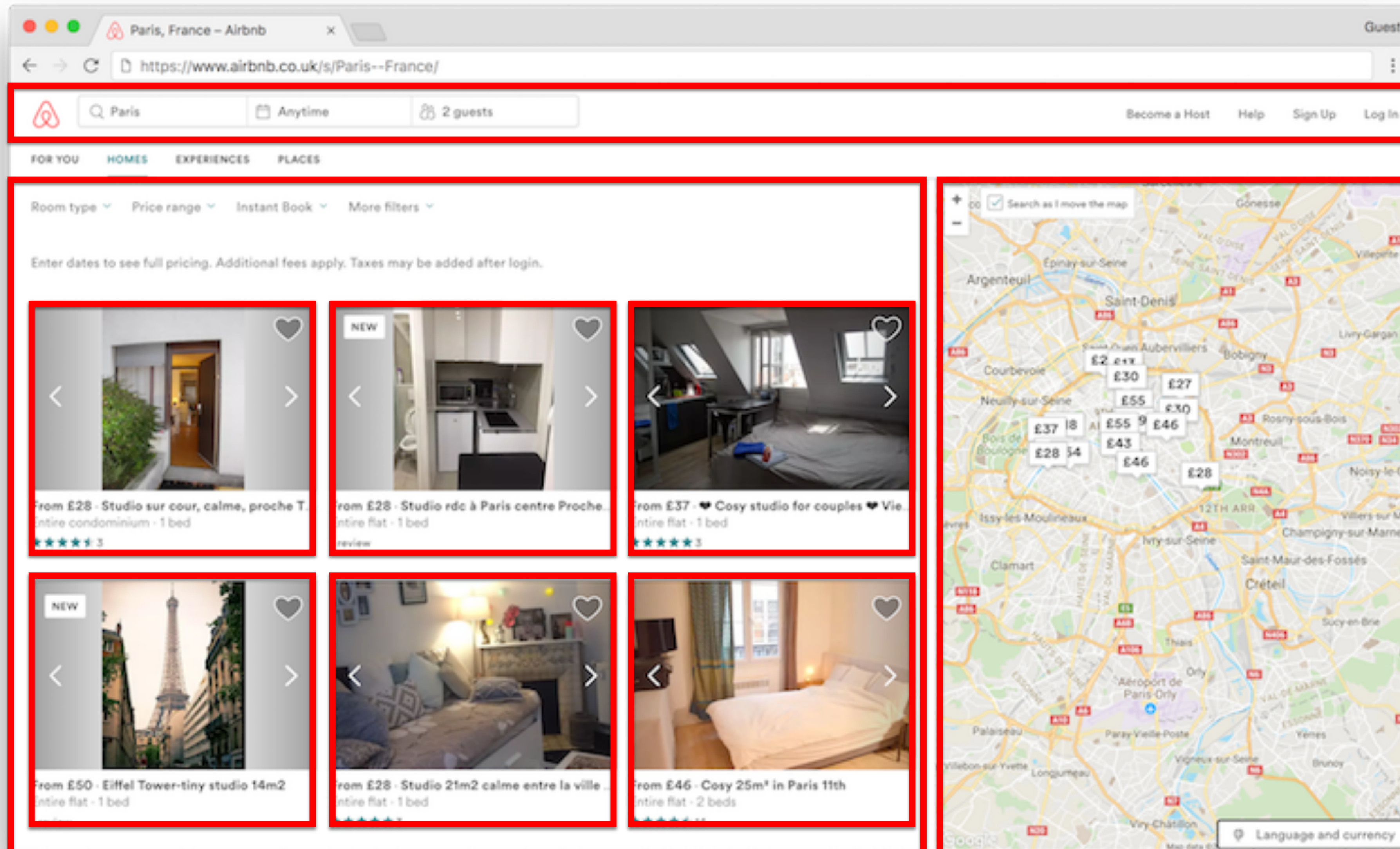
This is a justified
paragraph aligned
with text-align

Web Development

Div structure

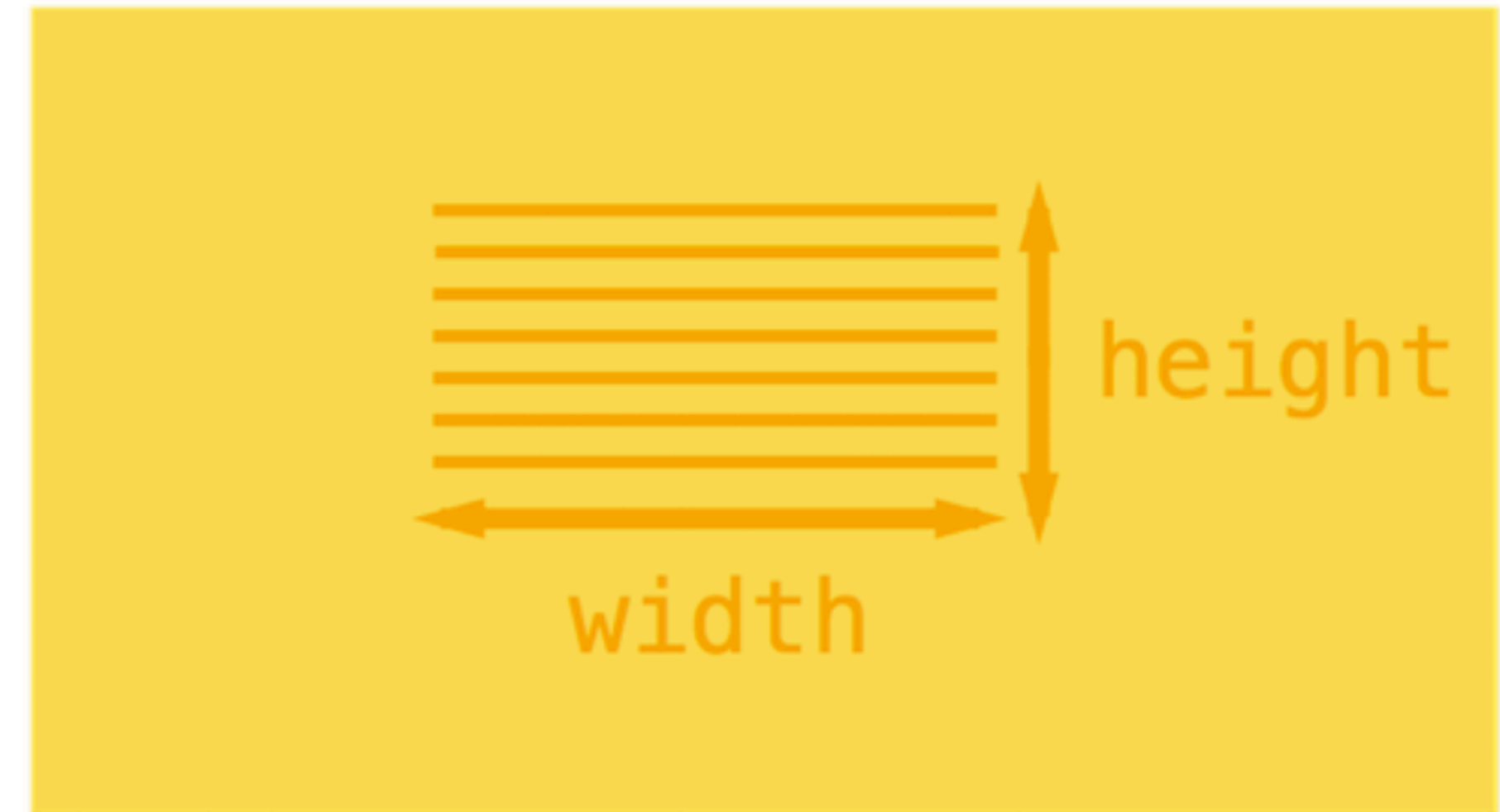


A real website is made of <div>



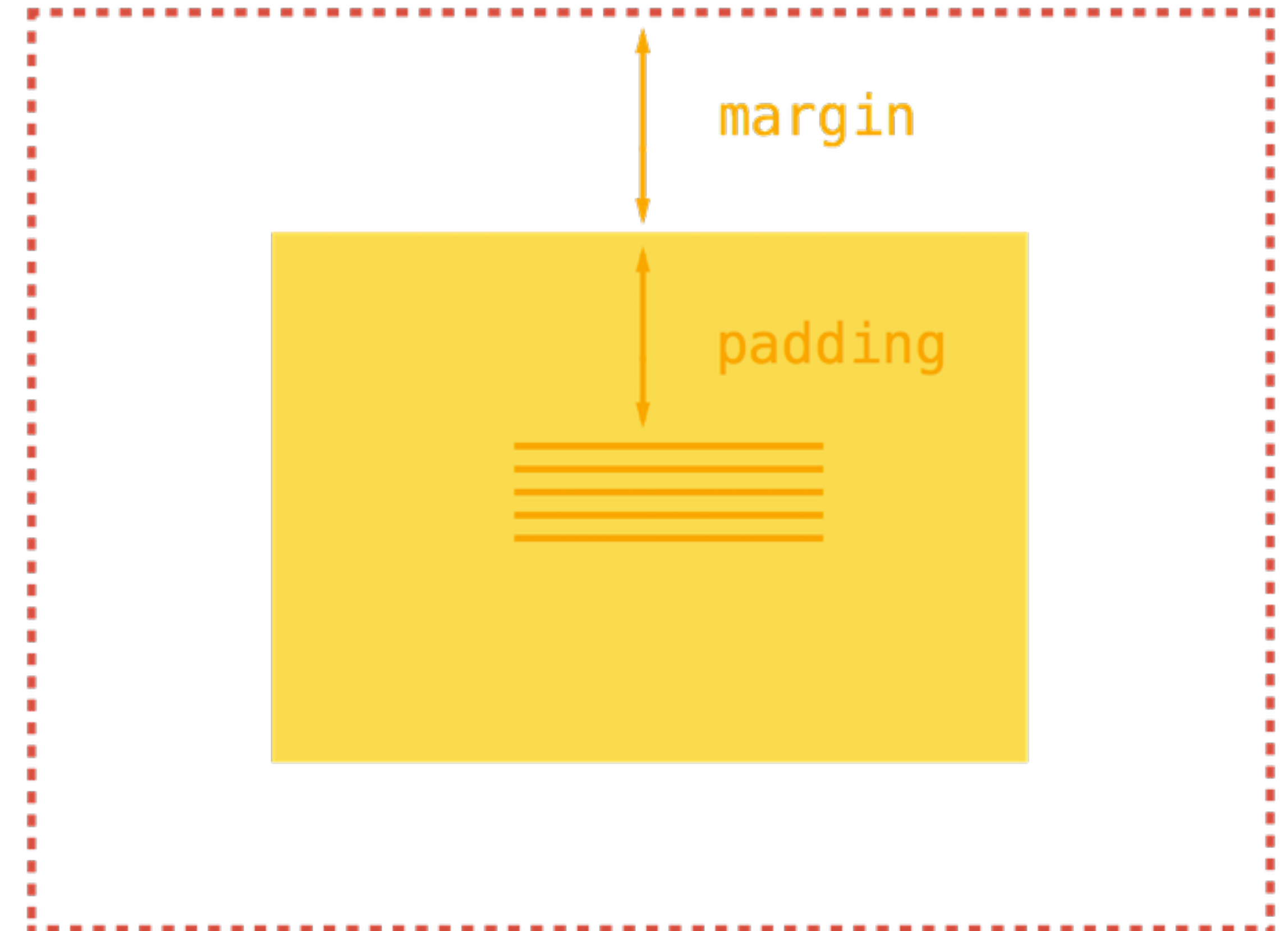
div width and height

```
div {  
  width: 300px;  
  height: 150px;  
}
```



div margin / padding

```
div {  
  margin: 30px;  
  padding: 10px 20px;  
}
```



div **border**



border: 1px solid yellow;



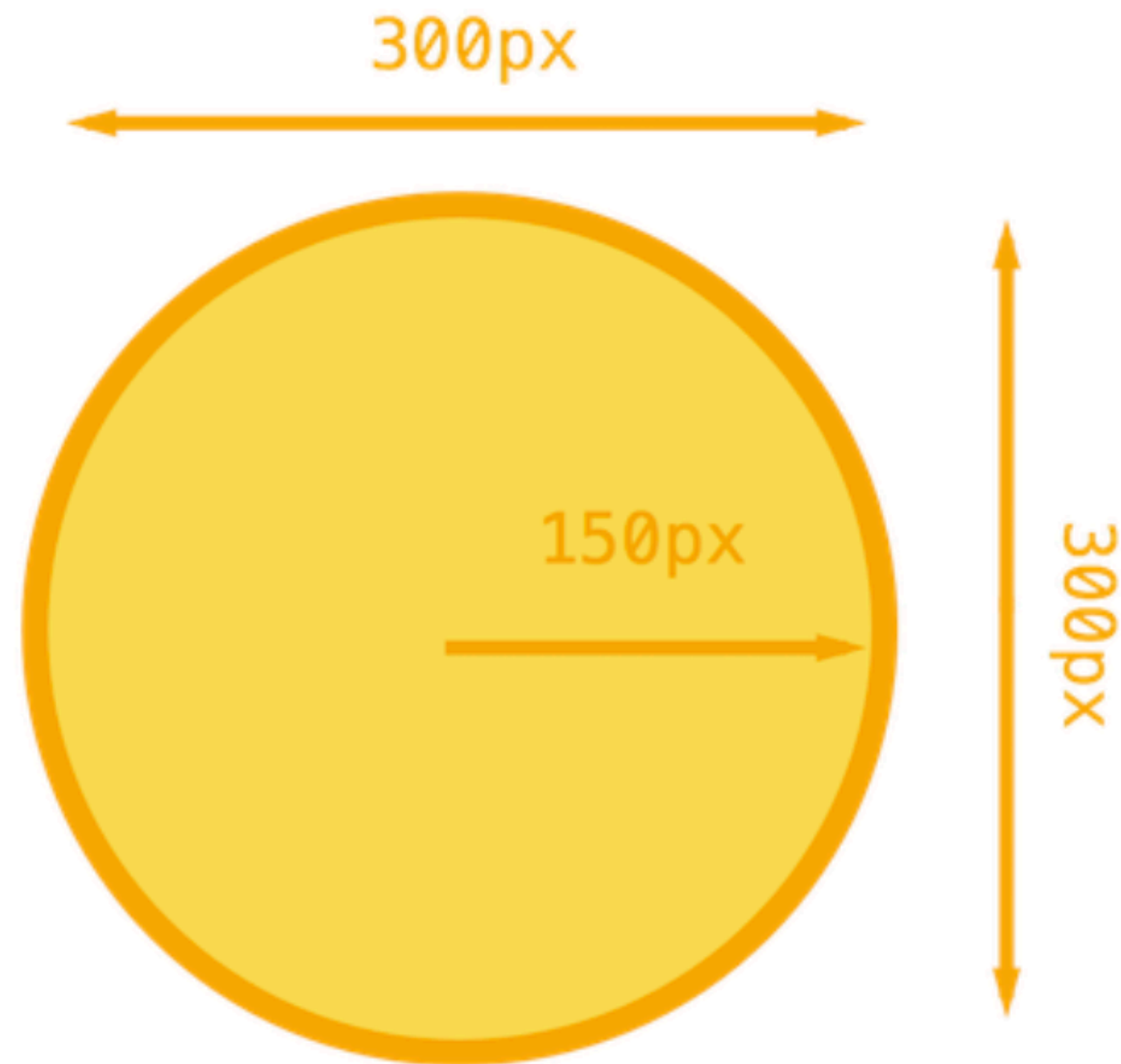
div **border radius**



`border-radius: 5px;`



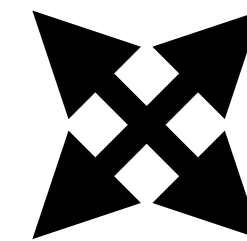
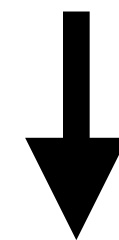
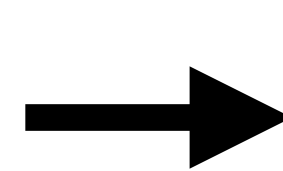
div **border radius**



border-radius: 50%;



div **box shadow**



box-shadow: 10px 20px 30px blue;



Web Development

Id and class



How to resize the logo **only** ?

 index.html

```
  
  
<ul>  
  <li></li>  
  <li></li>  
  <li></li>  
  <li></li>  
</ul>
```

 style.css

~~img {
 width: 100px;
}~~

How to resize the logo **only** ?

 index.html

```


<ul>
  <li></li>
  <li></li>
  <li></li>
  <li></li>
</ul>
```

 style.css

```
#logo {
  width: 100px;
}
```



How to resize staff pictures **only** ?



index.html

```

<ul>
  <li></li>
  <li></li>
  <li></li>
  <li></li>
</ul>
```



style.css

```
.img-circle {
  border-radius: 50%;
}
```



unique adjustment 10% of your CSS



```

```

```
<ul>
```

```
<li></li>
```

```
<li></li>
```

```
<li></li>
```

```
<li></li>
```

```
</ul>
```



re-usable design 90% of your CSS



Combining classes



```

```

```
.img-circle {  
  border-radius: 50%;  
}  
  
.img-bordered {  
  border: 5px solid red;  
}
```

Class **naming convention**

class="element-design"

Examples

class="text-center"

class="button-red"

class="list-inline"

class="img-circle"

class="form-horizontal"

Web Development

Bootstrap



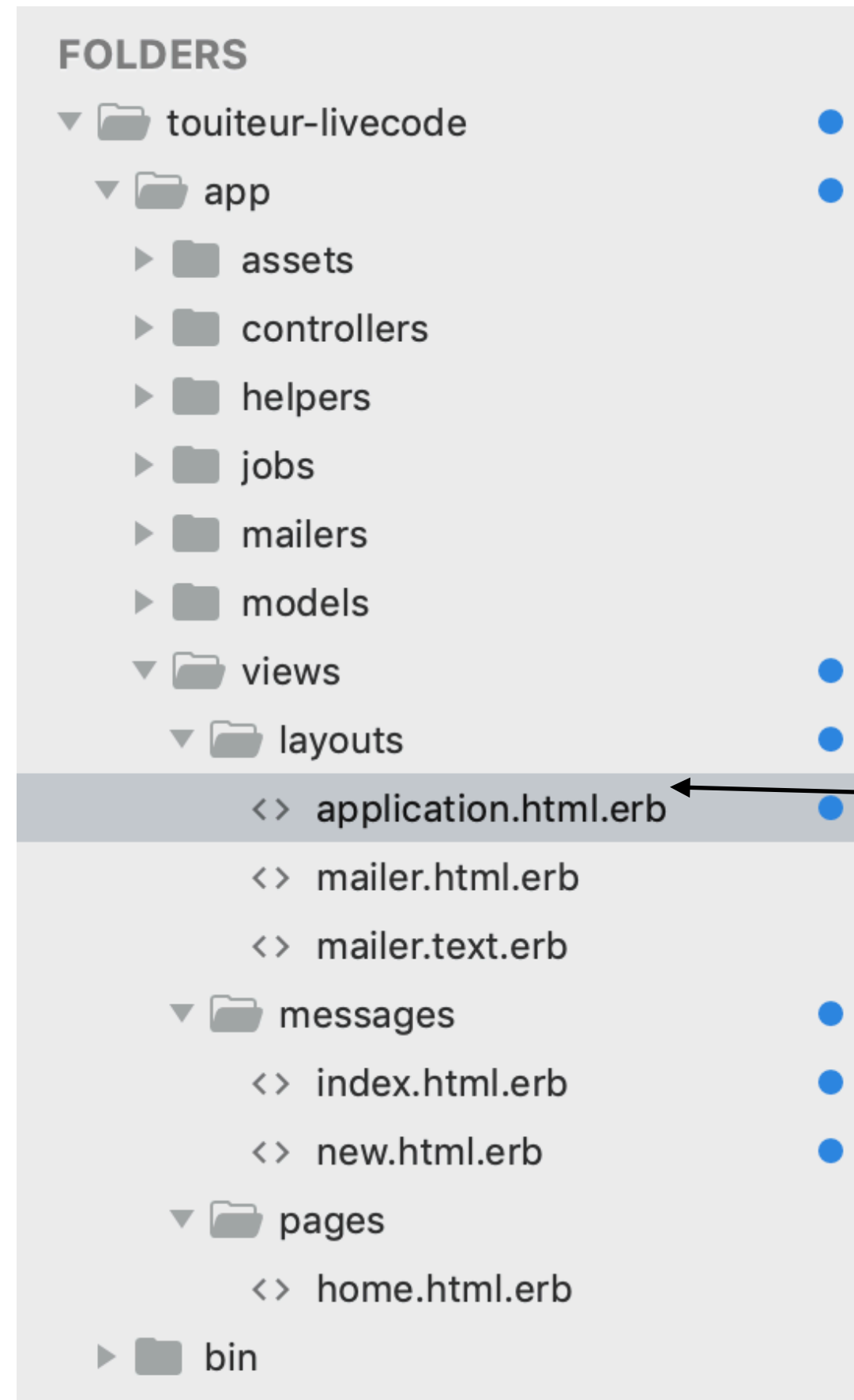
Getting started with bootstrap



> _





Add bootstrap in the layout



B

Home Documentation Examples Themes Expo Blog

v4.3



Search...

Getting started

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Quick start

Looking to quickly add Bootstrap to your project? Use BootstrapCDN, provided for free by the folks at StackPath. Using a package manager or need to download the source files? [Head to the downloads page](#).

CSS

Copy-paste the stylesheet `<link>` into your `<head>` before all other stylesheets to load our CSS.

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/b
```

Copy

JS

Many of our components require the use of JavaScript to function. Specifically, they require [jQuery](#), [Popper.js](#), and our own JavaScript plugins. Place the following `<script>`s near the end of your pages, right before the closing `</body>` tag, to enable them. jQuery must come first, then Popper.js, and then our JavaScript plugins.

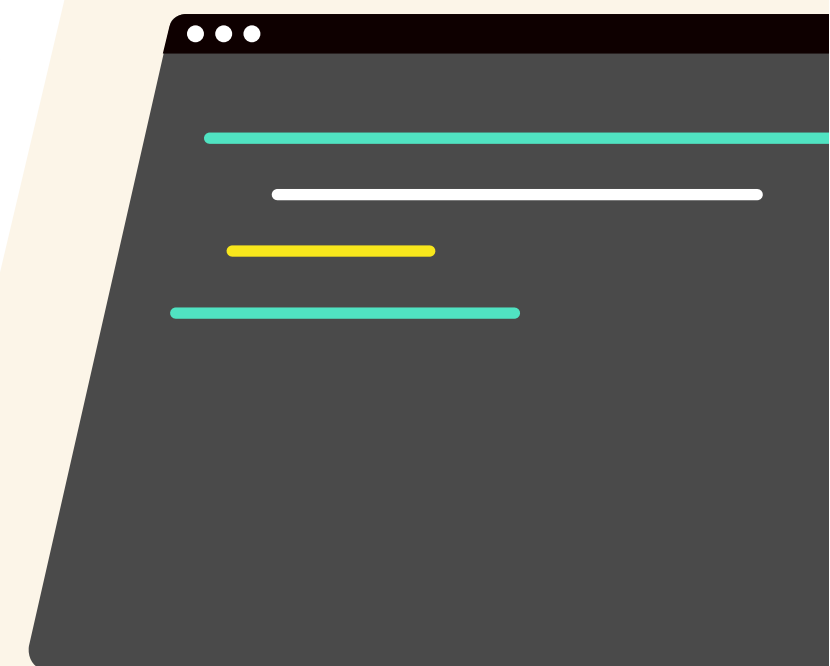
Designing a button, the form & cards



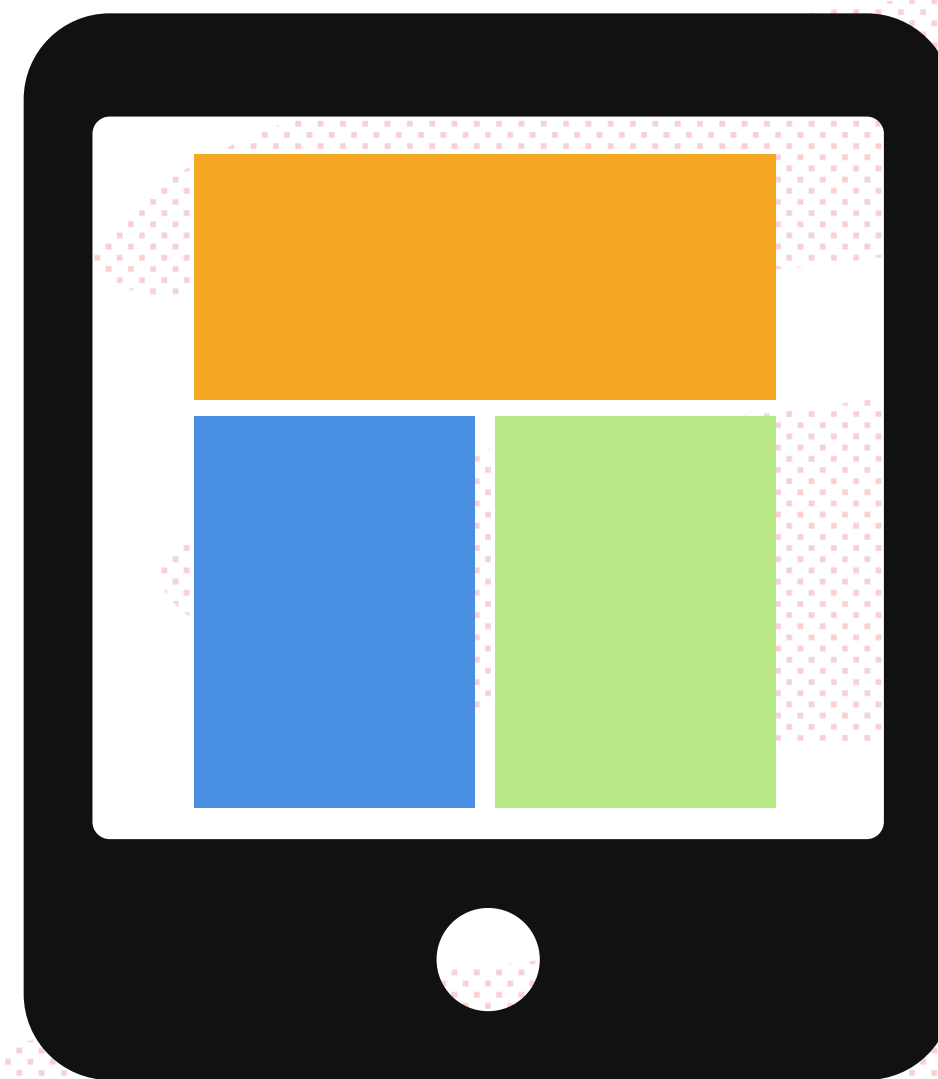
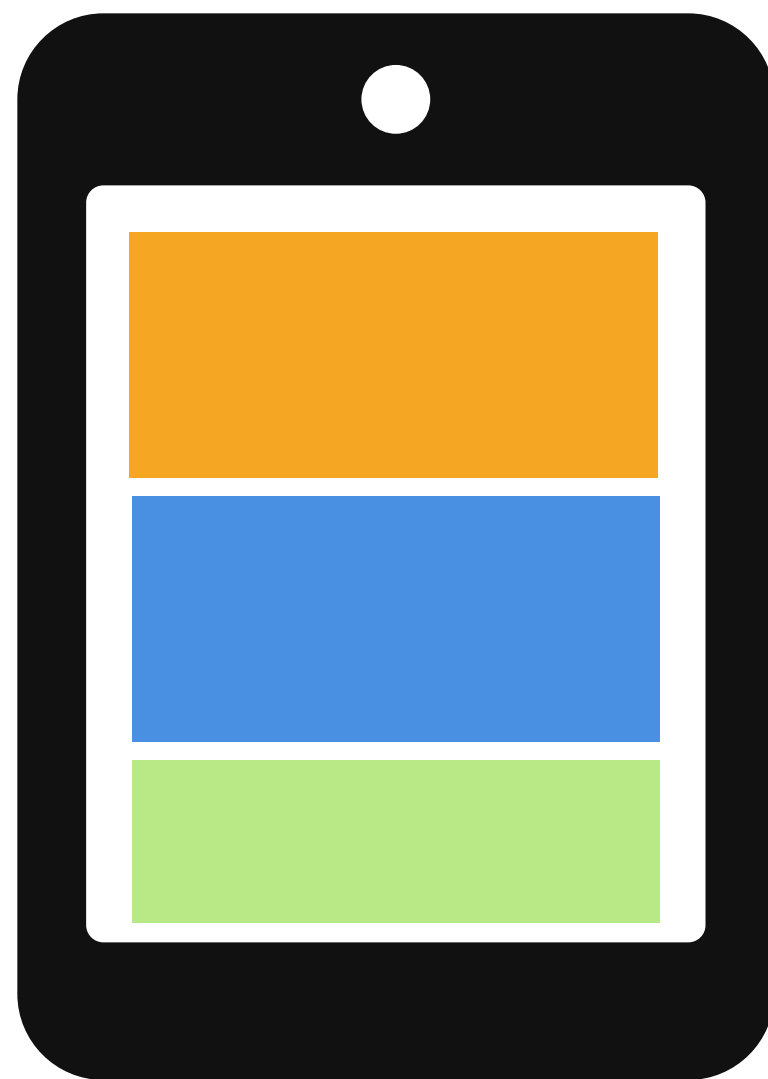
Adding a grid



> _



What is **responsive design**?



Let's use **Bootstrap grid**

```
<div class="container">
```

```
<div class="row">...</div>
```

```
<div class="row">...</div>
```

```
<div class="row">...</div>
```

```
</div>
```



How do we fill a row?



>_





```
<div class="row">
```

```
<div class="col-6">...</div>
```

```
<div class="col-2">...</div>
```

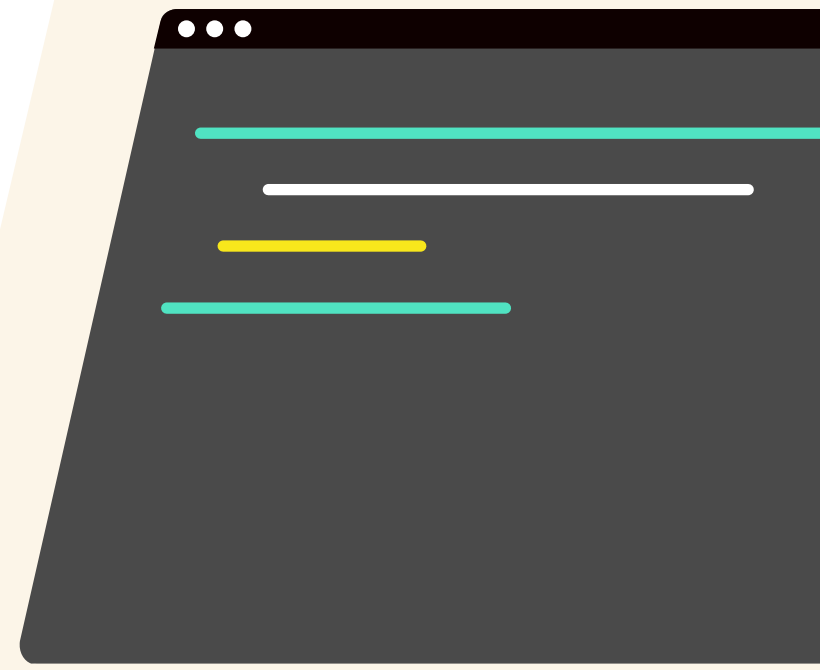
```
<div class="col-4">...</div>
```

```
</div>
```

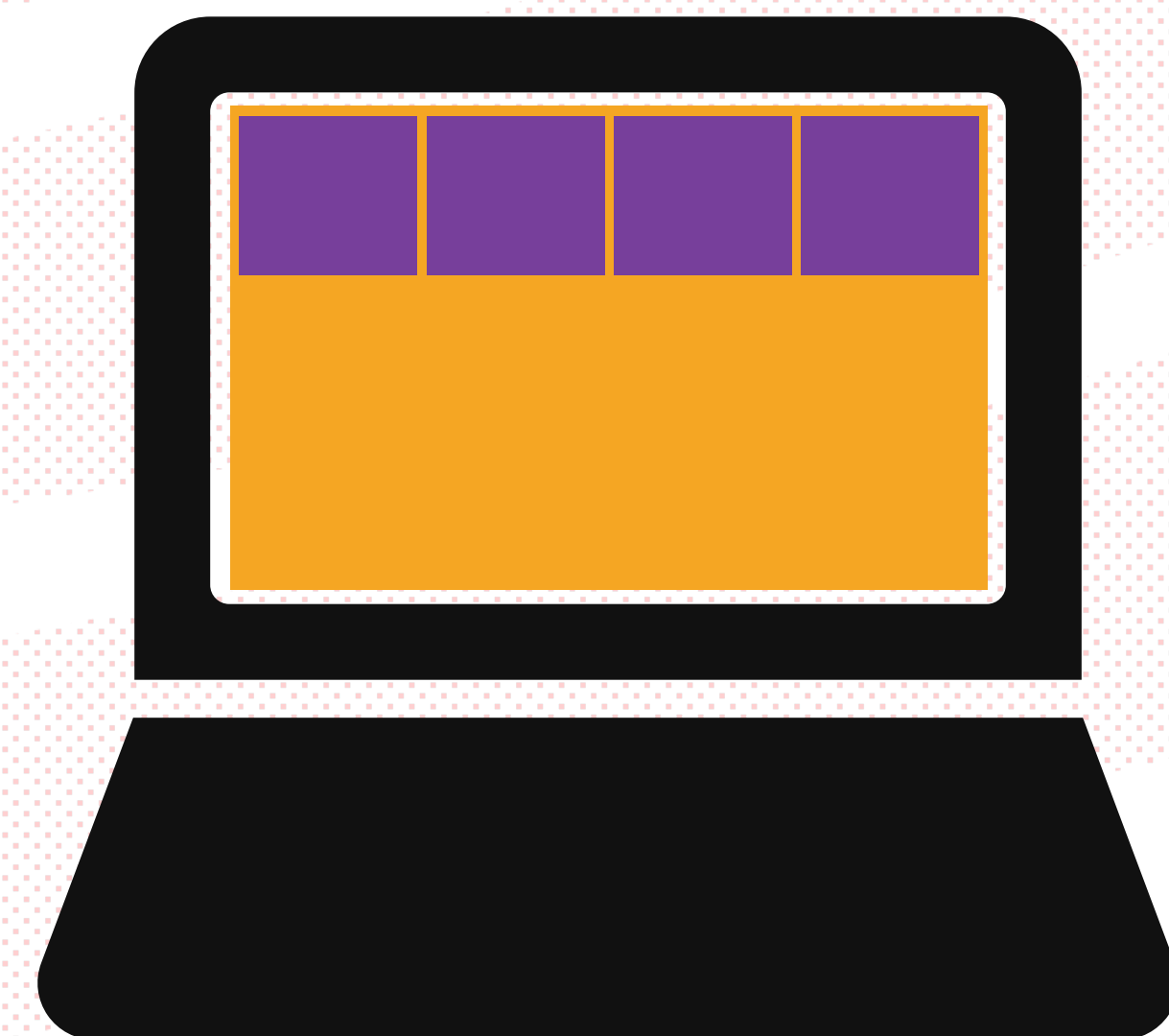
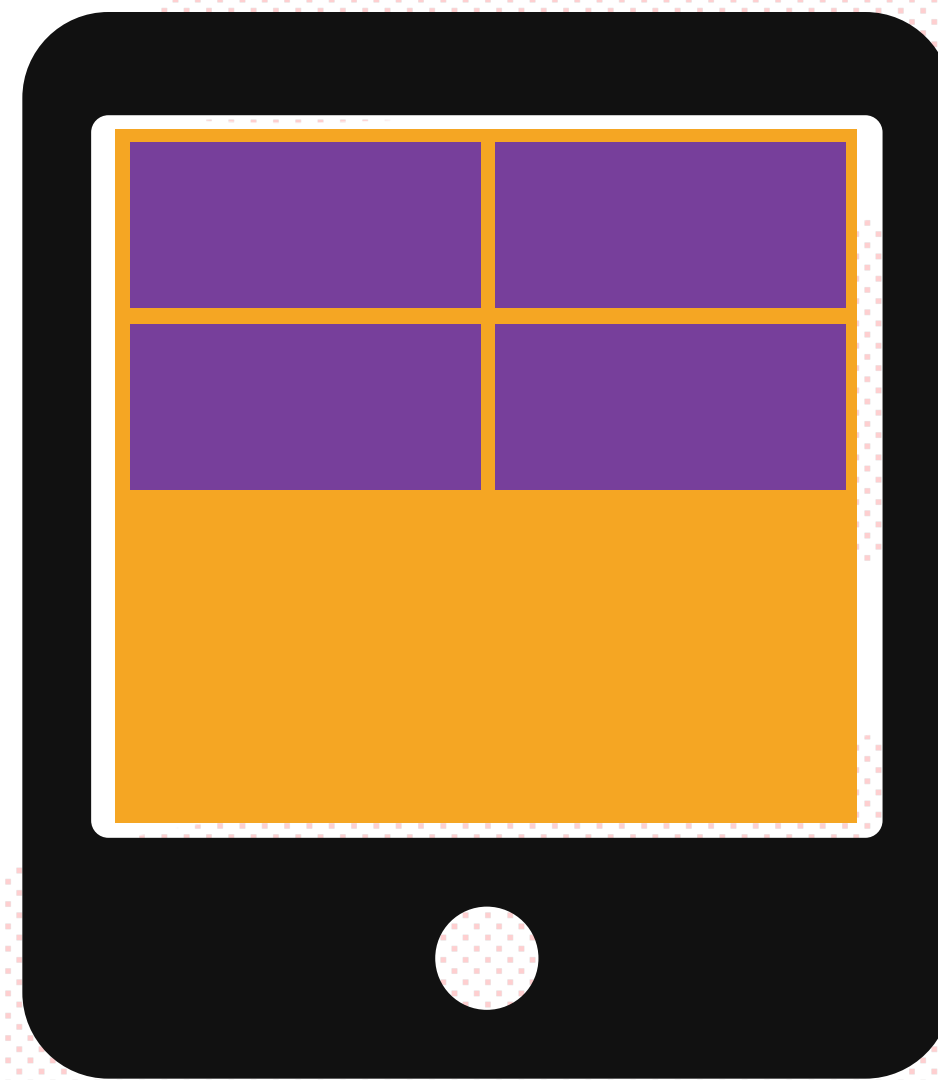
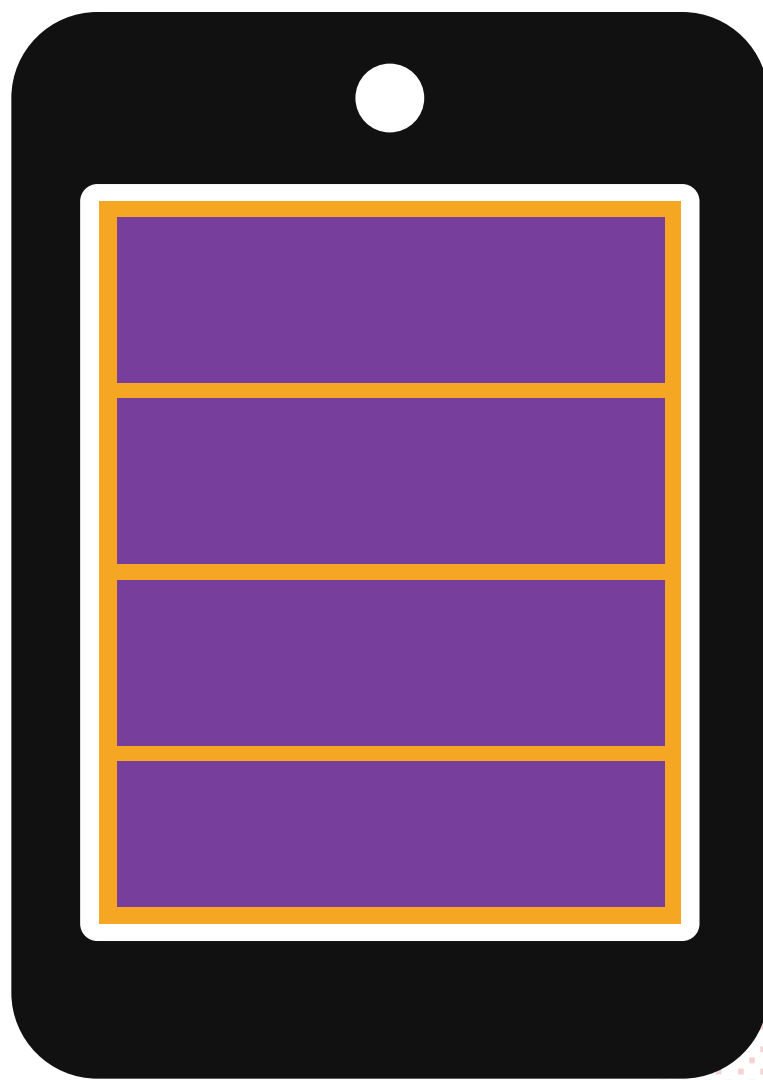
How do we make a `.col` responsive?



> _



```
<div class="col-12 col-sm-6 col-md-3">...</div>
```



Web Development

Let's do this !

